SONY

3-750-876-23 (1)

Dual Alarm FM/AM Digital Clock Radio

ICF-C710
ICF-C730

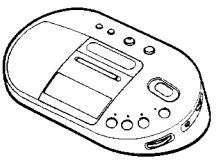
Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

Owner's Record

The model number is located on the bottom exterior and serial number is on the bottom. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. Serial No. _____



(ICF-C730)

DREAM MACHINE

Sony Corporation © 1989 Printed in Taiwan R.O.C.

Features

- Dual alarm FM/AM 2-band radio combined with an electric digital alarm clock and sleep timer.
- Choice of awakening to radio alarm, buzzer alarm, or dual alarm: Alarm A (radio) and B (buzzer).
- 24-hour alarm preset system automatically turns alarm on at same time each day.
- DREAM BAR SNOOZE/SLEEP OFF (North American model), REPEAT ALARM/SLEEP OFF (Australian model), operable with a feather-light touch, offers functions; snooze alarm and sleep timer turn off.
- You can preset 3 FM stations for easier tuning (only for ICF-C730).
- For private listening, this radio is equipped with an earphone jack.
- Fail-safe earphone jack: The alarm is heard through the speaker when an earphone is connected.
- You can be awakened by a manually tuned station (wake up station) even though you fell asleep to a preset station the previous night (only for ICF-C730).

This instruction manual covers ICF-C710 and ICF-C730. The ICF-C730 has preset function for easier tuning. When differences occur, they are clearly described in the appropriate sections. The illustrations used in this manual are of the ICF-C730.

Precautions

- Operate the unit only on 120 V AC, 60 Hz
  240 V AC, 50 Hz (Australian model).
- The nameplate indicating voltage, etc. is located on the bottom exterior.
- Disconnect the cord by grasping the plug. Never pull it by the cord.
- Do not leave the unit in a location near a heat source such as a radiator or airduct, or in a place subject to direct sunlight, excessive dust, mechanical vibration, or shock.
- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on a surface (a rug, a blanket etc.) or near materials (a curtain) which might block the ventilation holes.
- Should any liquid or solid object fall into the unit, unplug the unit and have it checked by qualified personnel before operating it further.
- When the casing becomes soiled, clean it with a soft cloth dampened with a mild detergent solution. Never use abrasive cleansers or chemical solvents, as they may mar the casing.

If you have any question, please consult your nearest Sony dealer.

Troubleshooting

Should any problem occur with the unit, make the following simple checks to determine whether or not servicing is required. If the problem persists, consult the nearest Sony dealer.

The clock does not show the correct time.
There has been an electrical power interruption.

The radio or buzzer alarm sound does not come on at the preset time.
Check the followngs:
- **Is the current time correctly set?**
  Check the AM/PM indication
- **Is the alarm time correctly set?**
  Check the AM/PM indication.
- **Is the function selector switch set correctly?**
  For radio alarm: set to SINGLE ALARM A RADIO.
  For buzzer alarm: set to SINGLE ALARM B BUZZER.
  For dual alarm: set to DUAL ALARM A RADIO B BUZZER.
- **For radio alarm, is the desired station tuned in?**
- **Is the VOL control adjusted correctly?**
  If it is down completely, the alarm sound will not be heard. Be sure to turn up the volume.

Specifications

Radio section

	Others	Australian model
Frequency range	FM: 87.6 - 108 MHz	FM: 87.6 - 107.5 MHz
	AM: 530 - 1,710 kHz	AM: 531 - 1,602 kHz
Antennas	FM: FM wire antenna AM: Built-in ferrite bar antenna	
Speaker	Approx. 6.6 cm (2⅝ inches) dia.	
Power output	200 mW (at 10% harmonic distortion)	
Output	Earphone jack (mini jack)	
Power requirements	120 V AC, 60 Hz 240 V AC, 50 Hz (Australian model) For the power backup function: 9V DC, one 6F22 battery	
Battery life	Approx. 80 hours, using Sony battery S-006P (U)	
Dimensions	Approx. 251 × 71 × 158 mm (w/h/d) (10 × 2⅞ × 6⅛ inches) incl. projecting parts and controls	
Weight	Approx. 750 g (12 oz) not incl. battery	

Design and specifications subject to change without notice.

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

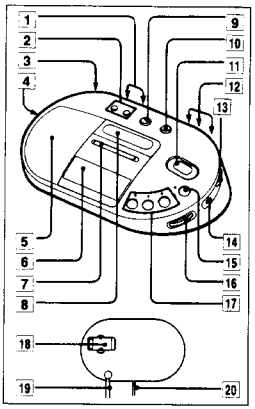
CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK
DO NOT REMOVE COVER (OR BACK)
NO USER SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

*The graphical symbols are on the bottom enclosure.

Location of Controls

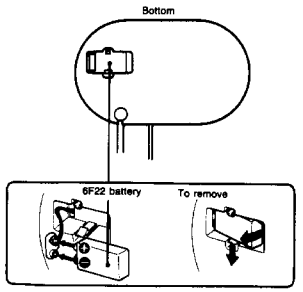


1 **TIME SET buttons (H/M) (rear)**
2 **ALARM set buttons (A RADIO, B BUZZER)**
3 **CLOCK set button (rear)**
4 **Earphone jack (side)**
5 **Speaker**
6 **Time display**
7 **Function selector switch (OFF, SINGLE ALARM A RADIO, B BUZZER, DUAL ALARM A RADIO B BUZZER)**
8 **DREAM BAR SNOOZE/SLEEP OFF bar (North American model) REPEAT ALARM/SLEEP OFF bar (Australian model)**
9 **SLEEP button**
10 **ALARM RESET/RADIO OFF button**
11 **Dial scale**
12 **FM PRESET tuning controls (rear) (FM 1/FM 2/FM 3) (only for ICF-C730)**
13 **TUNING control**
14 **BAND selector switch (FM/AM)**
15 **RADIO ON button (ICF-C710) MANUAL (RADIO ON) button (WAKE UP STATION) (ICF-C730)**
16 **VOL (volume) control**
17 **FM preset (RADIO ON) buttons (recall buttons) (FM1/FM2/FM3) (only for ICF-C730)**

Bottom
18 **Power backup battery compartment**
19 **AC power cord**
20 **FM wire antenna**

Power Backup During Power Interruption

Battery installation



Power backup battery compartment

Be sure to install an optional 6F22 battery for the power backup function. If the AC power supply is interrupted, the battery supplies power to keep the clock operating and holding the alarm time setting.

- During power interruption, the clock function is maintained although illumination of the indicator goes off, but the alarm sound does not come on.
- After a power interruption, the time shown in the display window may not be always correct (it may gain or lose about six minutes per hour).
- This battery is only for clock operation and alarm memory during power interruption. You cannot listen to the radio with the battery.

When to replace the battery

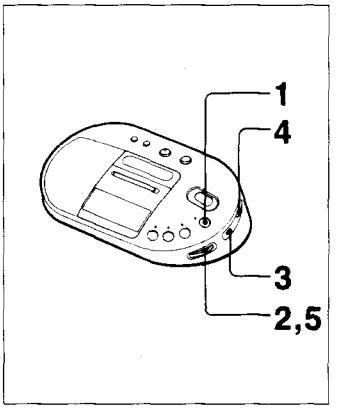
To check the battery condition, unplug the AC power cord from the wall outlet and plug it in again after a few seconds. If the time on the display is different from what it was before you unplugged the AC power cord, replace the battery with a new one.

Concerning the battery life, see "Specifications".

Caution

- Be sure to install the battery before disconnecting the AC power cord.
- When the unit is unplugged from the wall outlet for a long time, be sure to remove the battery to avoid undue battery discharge and unit damage from battery leakage.

Radio Operation (Manual Tuning)

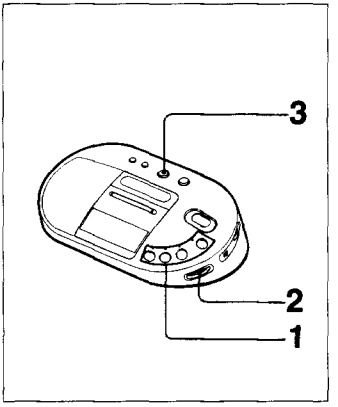


1 Press the MANUAL (RADIO ON) button (ICF-C730), or
RADIO ON button (ICF-C710).
2 Turn a little to get sound.
3 Choose the desired band.
4 Tune in the desired station.
5 Adjust volume.

To turn off the radio, press the ALARM RESET/RADIO O
button.

For Improved Reception
FM: Extend the FM wire antenna fully to increase the FM
sensitivity.
AM: Since the reception is affected by the direction of th
radio, rotate the unit horizontally for optimum recepti

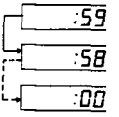
How to Use the Sleep Timer



You can fall asleep to the radio sound knowing that the
will turn itself off after the preset time period has elapse

1 Tune in the desired station after pushing the MANU
button (ICF-C730), or the RADIO ON button (ICF-C7
Or select the stationby pressing the FM 1, FM 2 or F
button (ICF-C730).
2 Adjust volume.
3 Press the SLEEP button to set the sleep timer
operation time.

The radio will be turned on for 59 *minutes*.
Keep the SLEEP button pressed to reduce the time sequence by one minute.



To turn off the radio before the preset time elapses, press the DREAM BAR SNOOZE/SLEEP OFF bar (whic
cancels the SLEEP function).

Note
- If you press the MANUAL, FM 1, FM 2 or FM 3 button, after t
SLEEP button has been pressed, the sleep timer function will
released.
- The alarm function does not work while the sleep timer is on.

Notes
- The buzzer sound level is fixed, and independent of the VOL control.
- If the earphone is connected to the earphone jack, at the preset time, the radio will sound from both the earphone and speaker, and the buzzer will sound only from the speaker.

The radio or buzzer will automatically sound at the preset time, and automatically turn itself off after 59 minutes, unless it is turned off manually.

To turn off the alarm manually, press the ALARM RESET/RADIO OFF button. The alarm will sound at the regular preset time on the following day.

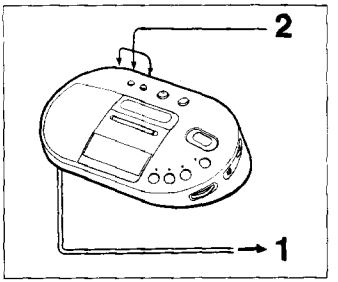
Snooze Alarm Function
If you awake to the radio or buzzer but want to doze for a few more minutes, just lightly press DREAM BAR SNOOZE/ *SLEEP OFF (North American model)* or *REPEAT ALARM/* SLEEP OFF (Australian model). The radio or buzzer will be silenced but will automatically come on againg after about eight minutes. If you want to doze more, press the bar again.

Notes
- You can reset the alarm time while activating the snooze function.
- To cancel the alarm before the alarm time, press the ALARM RESET/RADIO OFF button.
- To read out instantly the alarm preset time, press the ALARM set button A/RADIO or B/BUZZER.

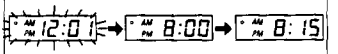
To Use Both Sleep Timer and Alarm Func

1 Set the alarm. (See "How to Set the Alarm".)
2 Set the sleep timer. (See "How to Use the Sleep Tim
3 Set the function selector switch to SINGLE ALARM A/RADIO, SINGLE ALARM B/BUZZER or DUAL ALAR A/RADIO B/BUZZER.
You can fall asleep to the radio sound and you will b awakened by the radio/buzzer alarm at the preset tim

How to Set the Clock



Example: To set to 8:15 AM



1 Connect the AC power cord to a wall outlet.
Figures will appear and begin to blink.

2 Adjust the clock to the current time with the TIME SET buttons, H (hour) and M (minute), while holding down the CLOCK set button.

AM 12:00 = midnight
PM 12:00 = noon

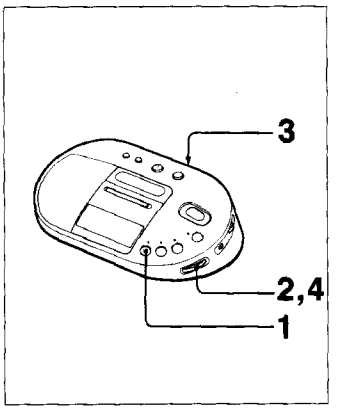
The hour and minute digits advance independently. The minute digits return to "00" after reaching "59".

Zero second adjustment
Example: To set to 8:15 AM
1 Adjust the time to 8:14 AM as previously described.
2 Press CLOCK set button and M button simultaneously with the radio or telephone time signal, and then release.

To advance the minute digits rapidly
Press the H and the M button continuously while holding down the CLOCK set button.

Preset Tuning

(only for ICF-C730)
Once you preset desired stations, you can tune them in by simple operation.



How to Preset

You can preset up to 3 FM stations (one station for each FM 1, FM 2 and FM 3 buttons).

1 Press FM 1 button.
2 *Turn a little to get sound.*
3 Tune in the desired FM station with the use of FM 1 *preset tuning control*.
The station is now preset.
4 Ajust volume.

Preset on FM 2 and FM 3 in the same way.

Note:
No frequencies indicators appear on the display.

To change the preset station
Preset a new station on a desired button.

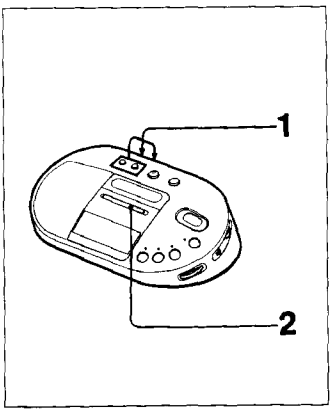
To Tune in a Preset Station

The desired FM stations will be received simply by pressing FM 1, FM 2, and FM 3 buttons after presetting. You do not need to press the MANUAL button or select the band.

To turn off the radio, press the ALARM RESET/RADIO OFF button.

For private listening, connect an earphone to the earphone j

How to Set the Alarm



Regarding the radio alarm, you can be awakened by a manually tuned station, but cannot be awakened by a preset station.

1 Set the alarm time for radio or buzzer.
Set the radio alarm time with TIME SET H and M while holding down ALARM A RADIO.
Set the buzzer alarm time with TIME SET H and M while holding down ALARM B BUZZER.

To advance the digits rapidly
Press the H and the M button continuously while holding down the ALARM set button.

2 Set the function selector switch to the desired alarm *position*: SINGLE ALARM A RADIO, SINGLE ALARM B BUZZER, or DUAL ALARM A RADIO B BUZZER.

For radio alarm
Press the MANUAL button (ICF-C730), or the RADIO ON button (ICF-C710) and tune in the desired station and adjus volume as described in "Radio Operation (Manual Tuning)"

For dual alarm
If you set the radio and the buzzer to the same time, only the radio sound will be heard.
If the buzzer alarm is set to the time before the radio alarm stops, the alarm shifts from radio to buzzer at the alarm preset time, and vice versa.